

IN THE CLAIMS

Claims 1-13 are provisionally pending in this application, wherein claims 14-24 have been provisionally withdrawn with traverse and without prejudice or disclaimer, and wherein claims 1-13 are being amended to improve form, as follows:

1. (Currently Amended) A dental unit, comprising:
 - a feed water line ~~[[10]]~~for leading water to at least one water outlet point or water-consuming instrument and/or to other points of use of water A, B, C, ... of the dental unit; ~~wherein the~~
 - a pressure chamber in connection with the feed water line 10 includes a pressure chamber 12, which is in connectionand with a compressed air line; ~~11,~~
 - a pressure control device configured to control pressure in the pressure chamber according to a desired pressure level via the compressed air line~~the pressure chamber 12 being arranged in functional connection with pressure control means 14,~~
 - ~~15;~~ and
 - a pump arranged along the feed water line upstream of the [[said]]pressure chamber 12 is a pump 13, and arranged to be able~~configured~~ to pump water to said pressure chamber~~and against where the pressure prevailing in the [[said]]pressure chamber is greater than a pressure in the feed water line upstream of the pressure chamber~~~~[[12]].~~
2. (Currently Amended) The dental unit according to claim 1, wherein ~~[[the]]said pressure control device~~means 14, 15 comprises a valve arrangement configured to enable pressurizing air to enter the pressure chamber and to enable air to be purged from the pressure chamber, ~~with help of which air can be led to the pressure chamber to pressurize it, as well as purged air from the chamber.~~
3. (Currently Amended) The dental unit according to claim 2, wherein ~~[[the]]said valve arrangement comprises at least one three-way valve 15 or an equivalent~~ arranged in the compressed air line~~[[11]], wherein the at least one three-way valve is operable to provide a connection between the pressure chamber to the compressed air line in a first state to enable pressurizing air to enter the pressure chamber, and wherein the at least one three-way valve is operable to prevent the connection between the pressure~~

chamber and the compressed air line in a second state to connect the pressure chamber to an external pressure, by which valve the said pressure chamber 12 may be connected to the compressed air line 11, on one hand, to pressurize the chamber, and break off the said connection to the compressed air line 11 and connect the pressure chamber 12 to another pressure, such as atmospheric pressure, on the other.

4. (Currently Amended) The dental unit according to any one of the claim[[s]] 1, ~~2 or 3~~, wherein in the said pressure chamber 12, there has been arranged further comprising means [[16]]for recognizing height of the fluid level height, the means for recognizing fluid level height being arranged in the pressure chamber.
5. (Currently Amended) The dental unit according to claim 4, wherein [[the]]said pump ~~13 is arranged~~is configured to pump water to the pressure chamber [[12]]periodically as ~~controlled by~~in accordance with adjustment signals received from the [[said]]means for recognizing fluid level height~~recognition~~ of the pressure chamber[[12]].
6. (Currently Amended) The dental unit according to claim ~~1~~[[5]], ~~wherein~~further comprising a reservoir chamber arranged in the feed water line [[10]]upstream of [[the]]said pump ~~13 there has been arranged a reservoir chamber or basin 22, which can be used as water storage for the~~and configured to store water for said pump[[13]].
7. (Currently Amended) The dental unit according to claim 6, ~~wherein~~further comprising an overflow edge structure arranged in [[the]]said reservoir chamber ~~or basin 22 there has been arranged means and/or a structure, like an overflow edge 23, the overflow edge structure being configured to ensure that [[the]]a fluid level in the reservoir chamber does not exceed a predetermined height threshold~~cannot rise higher than desired.
8. (Currently Amended) The dental unit according to claim 7, wherein the[[said]] reservoir chamber ~~or basin 22 forms at least a partly open space, which is in connection~~is formed to be at least partially open to atmospheric pressure.

9. (Currently Amended) The dental unit according to claim 8, wherein a feed link connected to an external water source is arranged to feed water to the reservoir chamber from a distance above the predetermined height threshold for the fluid level in the reservoir chamber~~at a distance from the fluid level of the said open space, regarding its said set maximum height, preferably at a distance above the said fluid level, there has been arranged a feed link 21 for the water to be fed from an external source to the unit, as from public water system.~~
10. (Currently Amended) The dental unit according to claim 8[[9]], wherein a detergent feed link is arranged to feed a cleaning chemical to the reservoir chamber from distance above the predetermined height threshold for the fluid level in the reservoir chamber~~in the said reservoir chamber or basin 22, or at a distance from the liquid level of the said open space, regarding its said set maximum height, preferably at a distance above the fluid level, there has been arranged a detergent feed link 24.~~
11. (Currently Amended) The dental unit according to claim 6[[10]], ~~wherein in the feed water line 10 downstream of the said pressure chamber 12 there has been arranged~~further comprising a branch line [[25]] arranged in the feed water line downstream of the pressure chamber leading to [[the]]said reservoir chamber or basin 22, via which line fluid can be circulated from the pressure chamber [[12]]to the [[said]]reservoir chamber or basin 22.
12. (Currently Amended) The dental unit according to claim 1[[1]], wherein the[[said]] pressure chamber [[12]]is ~~arranged~~configured to be detachably attachable to the feed water line[[10]].
13. (Currently Amended) The dental unit according to claim 1[[2]], ~~wherein in the said pressure chamber 12 there has been arranged~~further comprising a closable feed opening[[, e.g.]] arranged in the pressure chamber for feeding detergent into the pressure chamber.
14. (Withdrawn) A method for feeding water to the instruments of a dental unit and/or to other points of use of water of a dental unit, wherein the unit comprises a feed water

line which is in connection to the said points of use of water, and wherein in the feed water line, upstream of the said points of use of water there has been arranged a pressure chamber, which is in connection to a compressed air line, the pressure chamber being pressurizable and the pressure controllable with help of pressure control means belonging to the arrangement, in which arrangement the water leaving the said pressure chamber, is replaced by pumping water into and against the pressure prevailing in the pressure chamber with a pump arranged in the feed water line upstream of the said pressure chamber.

15. (Withdrawn) The method according to claim 14, wherein pressure in the said pressure chamber is controlled by leading air into it or purging air from it through the said pressure control means.
16. (Withdrawn) The method according to claim 15, wherein the said pressure control means include at least one three-way valve or an equivalent connected to the compressed air line, which valve, depending on the mode of use of the dental unit, is kept either in a position where it connects the compressed air line to the pressure chamber or in a position where it breaks off the said connection and connects the pressure chamber to another, especially to atmospheric pressure.
17. (Withdrawn) The method according to claim 16, wherein height of the fluid level in the pressure chamber is measured and the said pump located upstream of the pressure chamber is started when the fluid level is detected to reach or gone below a limit value set for it.
18. (Withdrawn) The method according to claim 17, wherein water which is stored in a chamber or basin arranged in the feed water line upstream of the pump is used as feed water for the said pump.
19. (Withdrawn) The method according to claim 18, wherein the said chamber or basin is arranged to be a space at least partly open and in connection to atmospheric pressure, whereby water is fed to that at least partly open storage space via that connection open to the ambient in such a way that the fluid level in the said storage space can rise

to a certain level at the most and that water feed to that storage space takes place through such a feed link, which with respect to that maximum value of the fluid level is located at a distance from the said fluid level.

20. (Withdrawn) The method according to claim 19, wherein water from a public water system is fed via the said feed link.
21. (Withdrawn) The method according to claim 19, wherein detergent of the water lines is fed into the said chamber or basin arranged in the feed water line upstream of the pump.
22. (Withdrawn) The method according to claim 21, wherein in the feed water line downstream of the said pressure chamber is arranged a branch line to the said chamber or basin, arranged upstream of the pump, via which line water and/or detergent in the feed water line is circulated.
23. (Withdrawn) The method according to claim 22, wherein the said pressure chamber is arranged detachably attachable and is filled with detergent of the water lines or with purified water, or is replaced with a corresponding other chamber.
24. (Withdrawn) The method according to claim 23, wherein the said pressure chamber is filled with detergent, or is replaced with a chamber containing detergent, the chamber is pressurized and detergent is driven to the water lines.